

ALL ALERT MULTIPLE AREA SMOKE DETECTOR SYSTEM
BY Bernard Vining 01 /20/2000

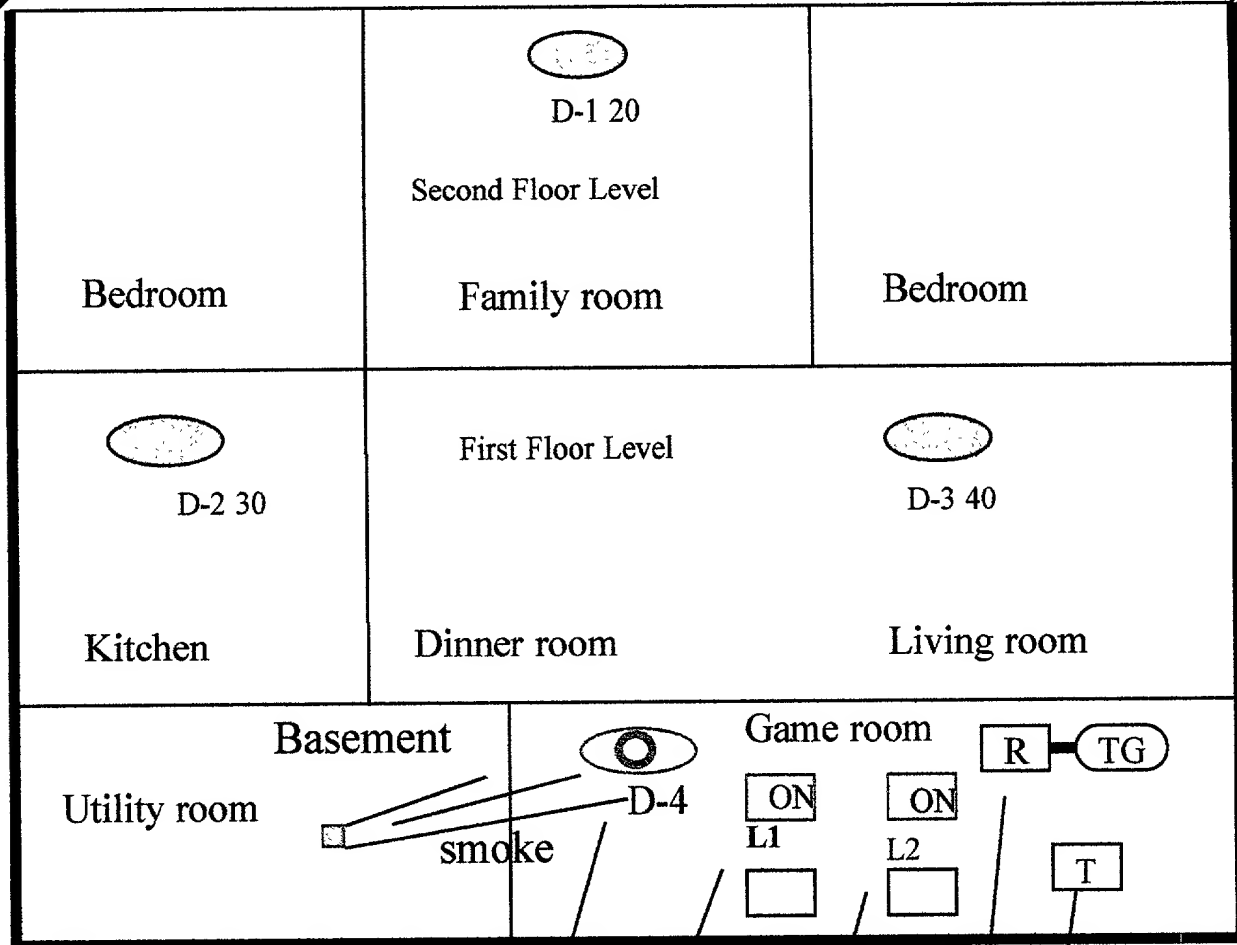
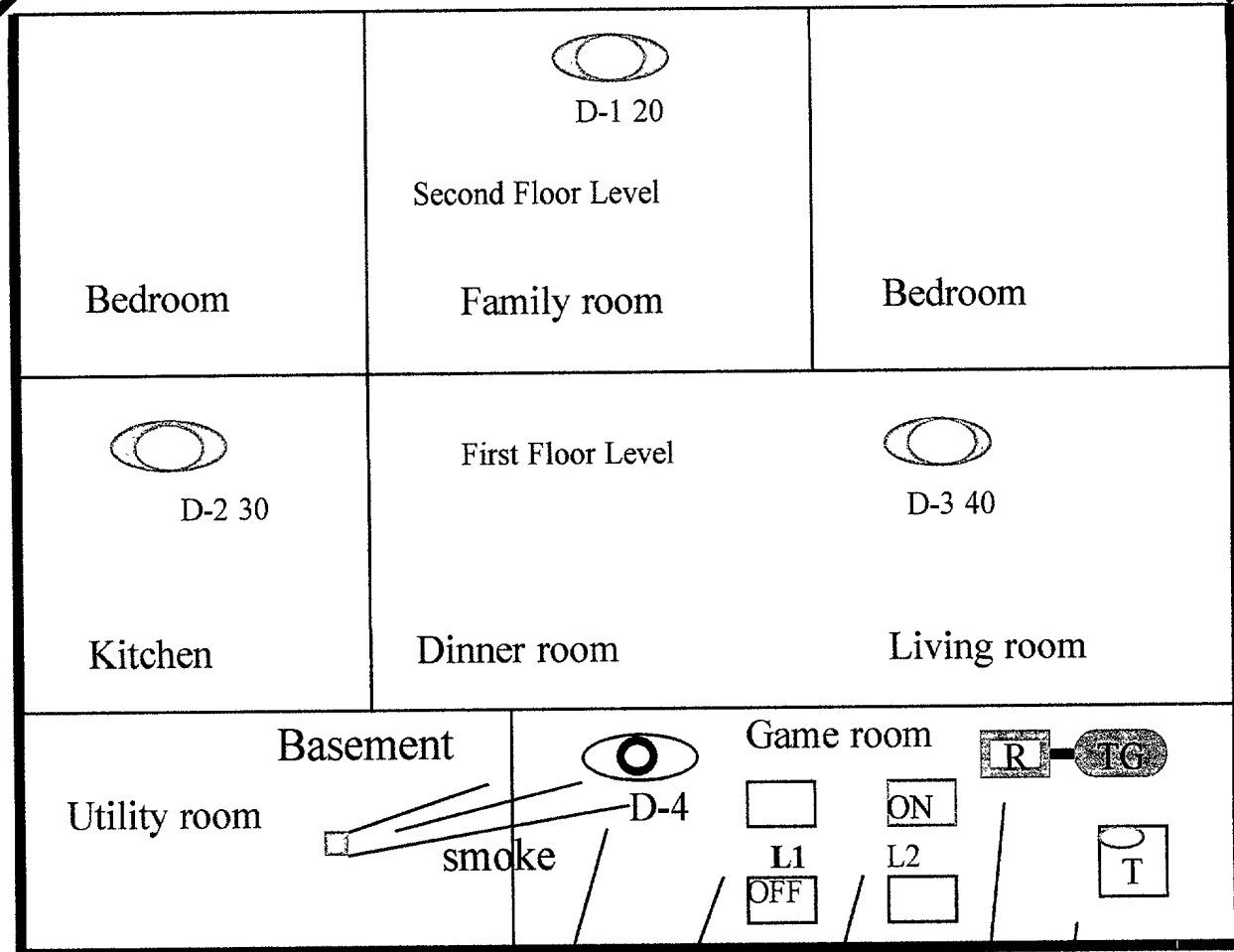


Fig. 1

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18

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fig. 2

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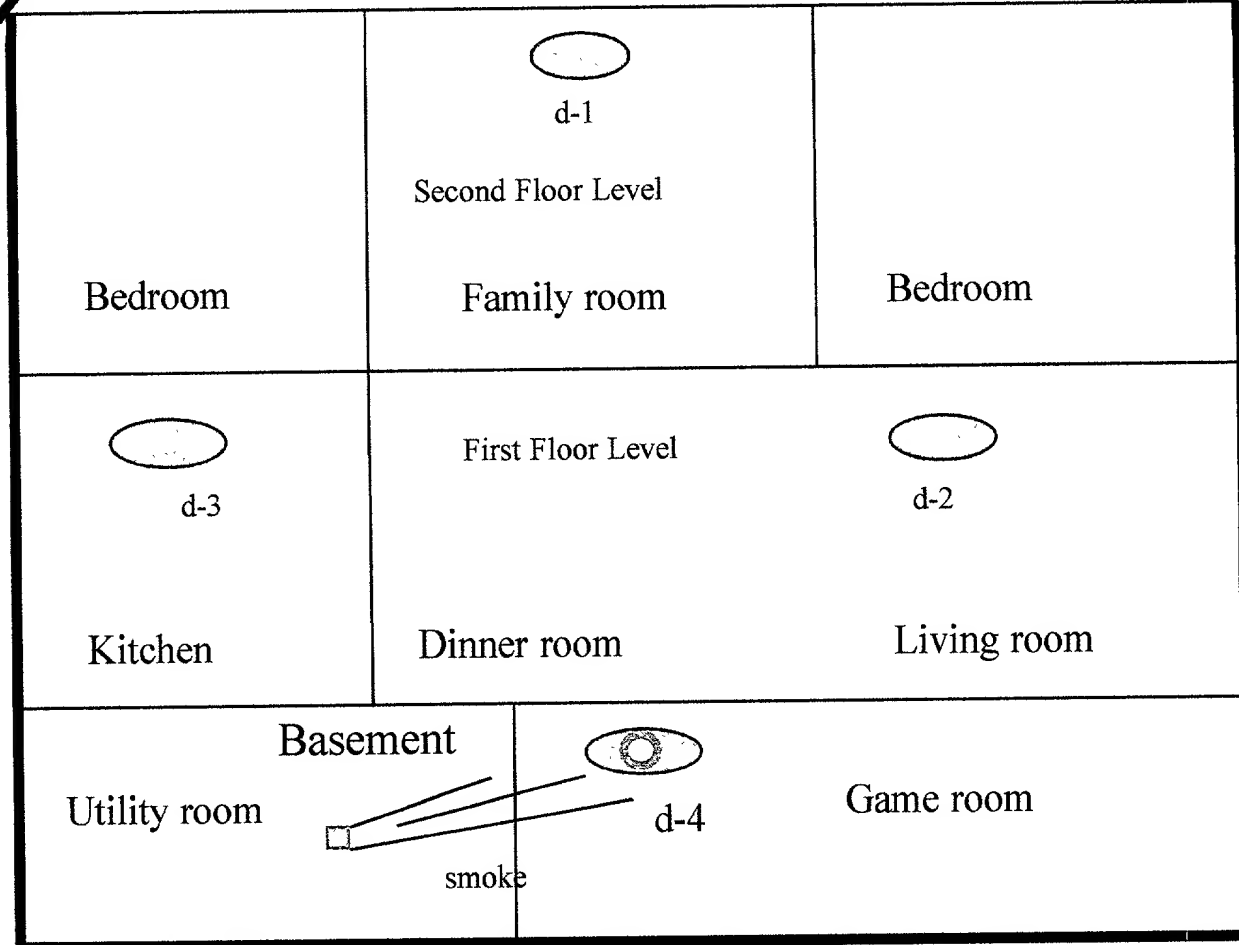


Figure A

This illustration in fig. A shows us how commercial smoke detectors on market today works when existence of smoke is detected. Assuming basement detector D-4 is energize by existence of smoke from faulty wall socket in rear utility room. D4 audible Alarm sounds alerting this area only. Family members is fifty to one-hundred feet away asleep during critical morning hours. The existence of smoke have to reach the first floor level in-order to energize D-2 & D-3 detectors, alerting these areas, and the same also apply for D1 on second floor level. We often read about or see it over television of some great tragedy, fire taken the lives of family members. Later we learn that they had some type of smoke detector that works and unable to escape disaster. Figure B illustrates how the All Alert Multiple Area Smoke Detector System can alert other areas were existence of smoke is havn't been detected.

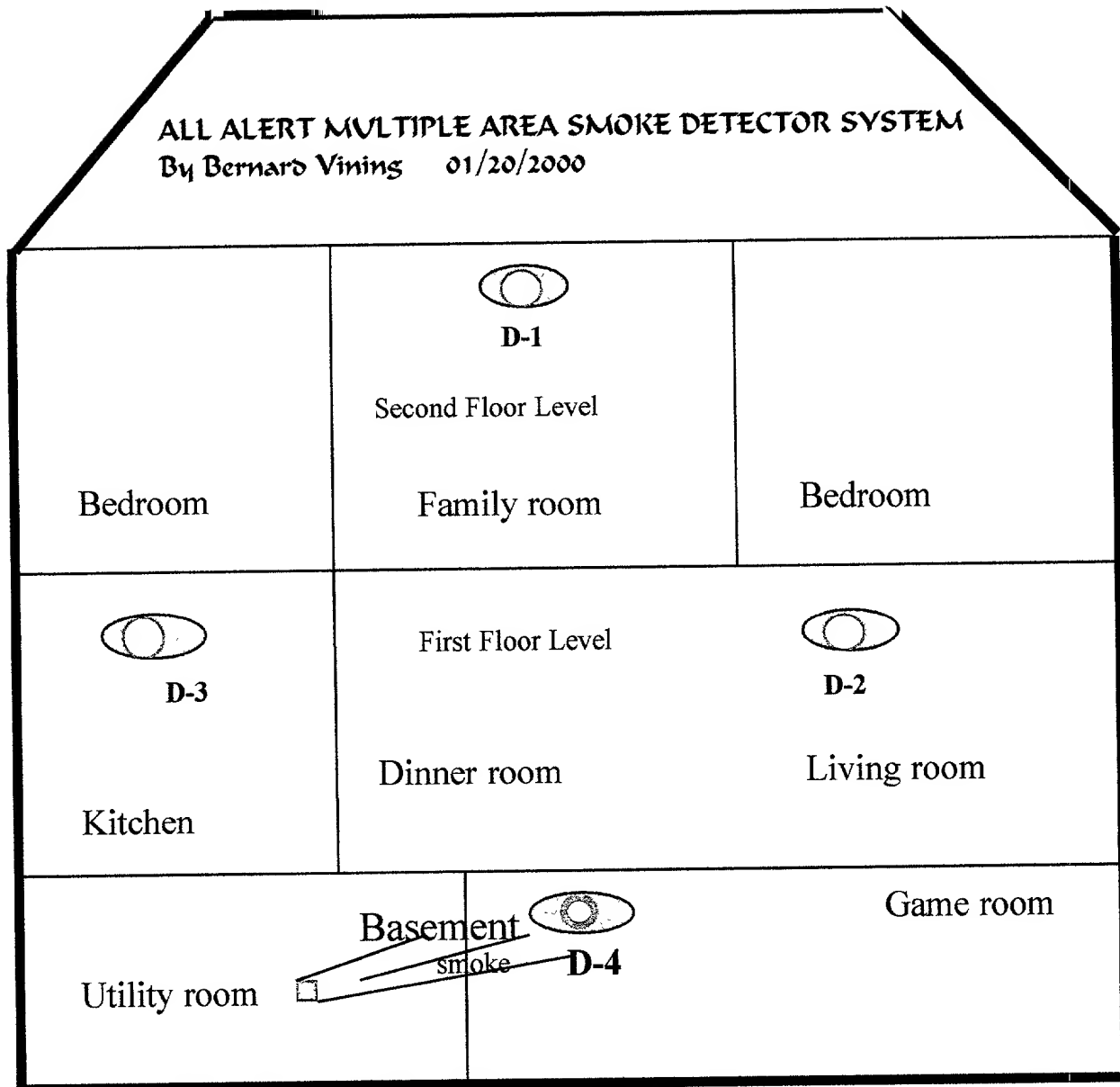
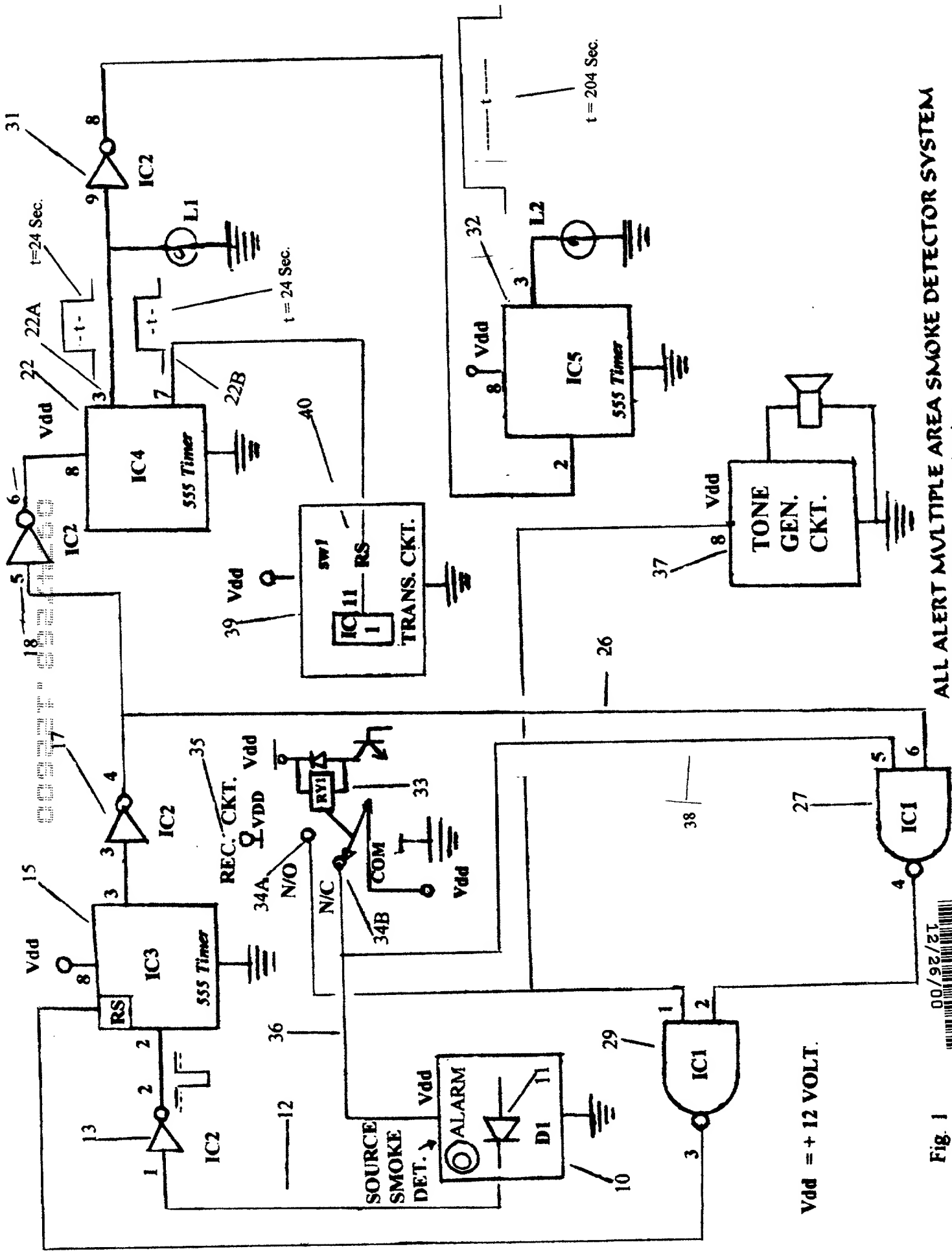


Figure B

A family can feel safe during critical morning hours, with The All Alert Multiple Area Smoke Detector System install in there home. Unlike the situation in figure A were D-4 was triggered by existence of smoke from burning wall socket in utility room, D4 audible alarm sound alerting basement area only. Remember also, the existence of smoke in fig. A have to reach first floor level in-order to energize or trigger D-2 & D-3, likewise this apply for D-1 on second floor level. With The All Alert Multiple Area Smoke Detector System, When D-4 is energize from existence of smoke, after the twenty-four second false alarm period end. **Lamp indicator remains on visible identifying which source smoke detector was triggered and D4 actuates an RF signal which actuates D-1,2,3 and D4 detectors which generate an audible signal alerting areas were existence of smoke was not detected, while continuously alerting the area were existence of smoke was detected. This gives families with infant and senior citizens extra time to flee from danger. This application also apply for D-1, D-2, & D-3 source smoke detectors if triggered by the existence of smoke.**



Vdd = +12 VOLT.

Fig. 1

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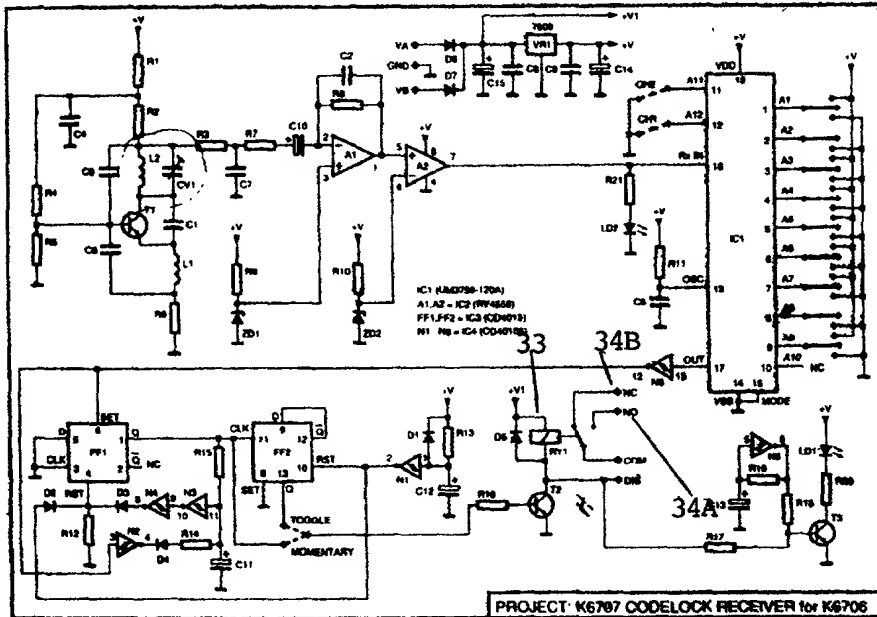
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The Receivers and Transmitters Elecetronics Schematics

Figure 6

Receiver schematics :

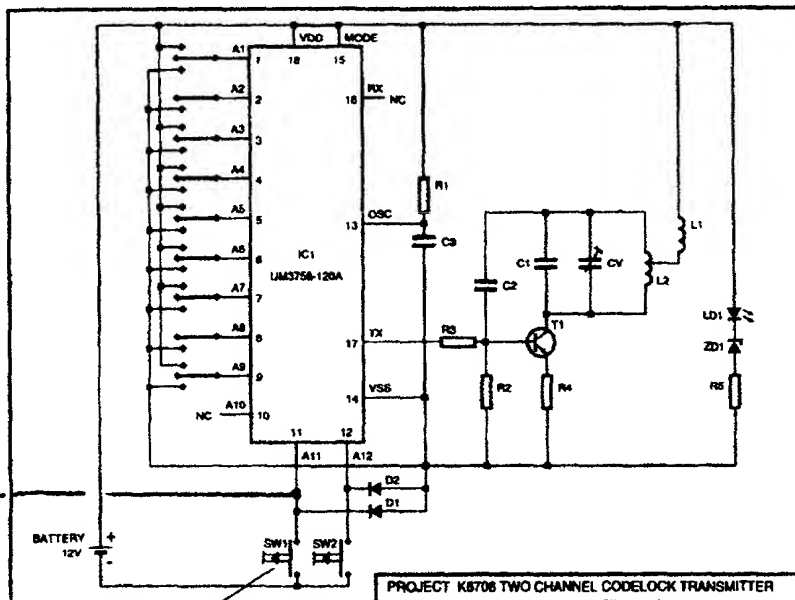
Transmitters tune by CV1 of receiver ckt.



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Transmitter schematics :

Transmitters range approximately 30 meter.



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TO
IC4
PIN 7

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